



COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

SIXTH FLOOR,
PRUDENTIAL BUILDING,
195 NORTH TERRACE,
ADELAIDE

In reply quote No.

CEREALS

SOUTH AUSTRALIA

SEASON 1964-65

SCOPE This Bulletin shows details of the South Australian cereal and hay harvests for the year ended 31st March 1965 as obtained from the annual collection of Agricultural and Pastoral Statistics.

SEASONAL CONDITIONS General rains during April 1964 provided a good opening to the season in most of the cereal growing areas of the State. May and June were cold and dry and crops in some light soil districts were damaged by wind. Heavy rains during September, October and November produced the wettest spring for many years. Severe winds late in November damaged some barley and oat crops but favourable conditions generally permitted good yields of all cereals. Rainfall over cereal growing areas during the growing period April to November 1964 was 16.01 inches which is nearly 3 inches above average.

SUMMARY OF AREAS AND YIELDS Reports at the beginning of the season indicated that farmers intended to sow approximately 2,838,000 acres of wheat, 1,221,000 acres of barley, and 1,188,000 acres of oats. The areas actually sown were 2,772,000 acres to wheat - a decrease of 76,000 acres from the previous year, 1,135,000 acres to barley - a decrease of 30,000 acres from the previous year, and 951,000 acres to oats - a decrease of 6,000 acres.

The wheat crop of 52.8 million bushels harvested from 2.7 million acres has been exceeded only by the yield of 54 million bushels harvested from 2.8 million acres in the 1963-64 season. The barley yield of 26.9 million bushels was 2.6 million bushels more than that for the previous season, while the yield of almost 9 million bushels of oats was only 0.2 million bushels less than almost 9.2 million bushels obtained in 1963-64.

The estimate of the combined yields of wheat, barley, and oats, for 1964-65 contained in my bulletin issued in January of this year was 89.9 million bushels. Actual yield for these three cereals was 88.7 million bushels - 1.3 million bushels more than in 1963-64 but 11.4 million bushels less than the record 100.1 million bushels harvested in the 1960-61 season.

TABLE 1 - CEREAL HARVEST, SOUTH AUSTRALIA, 1964-65

Crop	Area		Yield	
	Total Sown(a)	Sown for Grain (b)	Total (c)	Per Acre
	Acres		Bushels	
Wheat	2,772,360	2,726,826	52,817,049	19.37
Barley	1,134,794	1,094,740	26,931,735	24.60
Oats	950,835	443,794	8,976,907	20.23
Rye	51,273	43,852	261,552	5.96
Field peas	36,468	33,798	495,965	14.67
	Area Cut (Acres)		Tons	
Hay (all kinds)	314,318		486,958	1.55

(a) Includes area sown for hay and forage.
(b) Includes crops which failed.
(c) Excludes weight of bags.

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TABLE 2 - WHEAT, BARLEY, AND OATS: AREA AND YIELD, COUNTIES AND DIVISIONS, SOUTH AUSTRALIA, 1964-65

DIVISION and County	Wheat			Barley			Oats			Rainfall (a)
	Area	Yield	Yield per Acre	Area	Yield	Yield per Acre	Area	Yield	Yield per Acre	
	Acres	Bushels	Bushels	Acres	Bushels	Bushels	Acres	Bushels	Bushels	Inches
CENTRAL										
Adelaide	6,818	137,487	20.17	13,413	475,092	35.42	2,253	64,771	28.75	21.76
Carnarvon	4,873	53,583	11.00	4,713	97,837	20.76	11,366	300,074	26.40	23.61
Eyre	40,410	750,669	18.58	5,048	128,361	25.43	6,219	172,367	27.72	15.37
Fergusson	119,952	3,274,242	27.30	219,979	7,796,919	35.44	6,703	207,698	30.99	17.35
Gawler	107,526	2,382,573	22.16	56,120	1,207,450	21.52	9,292	200,707	21.60	14.72
Hindmarsh	8,361	191,352	22.89	11,200	339,969	30.35	7,226	222,627	30.81	21.54
Light	64,855	1,357,383	20.93	21,004	528,607	25.17	14,877	477,398	32.09	17.91
Sturt	60,542	1,311,840	21.67	32,542	751,615	23.10	10,013	229,991	22.97	17.18
LOWER NORTH										
Burra (incl. Kimberley)	26,450	552,786	20.90	1,231	33,346	27.09	5,973	136,239	22.81	15.18
Daly	239,887	6,254,772	26.07	105,143	3,070,028	29.20	18,007	436,090	24.22	13.24
Stanley	189,906	4,715,727	24.83	34,610	808,300	23.35	26,351	736,793	27.96	16.53
Victoria	154,913	3,188,871	20.58	32,079	734,807	22.91	14,926	394,532	26.43	14.69
UPPER NORTH										
Dalhousie	59,922	1,198,842	20.01	4,828	98,787	20.46	6,136	150,350	24.50	12.37
Frome	100,049	2,060,778	20.60	5,986	130,075	21.73	6,323	121,149	19.16	13.41
Newcastle	6,159	108,813	17.67	-	-	-	334	5,419	16.22	(b)
Other Counties	586	8,064	13.76	12	154	12.83	257	4,752	18.49	(b)
SOUTH EASTERN										
Buckingham	38,876	880,179	22.64	8,128	184,668	22.72	41,230	1,142,396	27.71	23.05
Cardwell	8,527	146,391	17.17	11,651	274,414	23.55	5,157	147,557	28.61	19.80
Grey	1,069	25,350	23.71	2,178	75,777	34.79	2,571	76,285	29.67	30.05
MacDonnell	6,493	86,841	13.37	3,144	58,278	18.54	9,490	191,710	20.20	28.86
Robe	4,555	71,565	15.71	1,902	29,883	15.71	7,971	192,458	24.14	29.66

TABLE 2 - WHEAT, BARLEY, AND OATS: AREA AND YIELD, COUNTIES AND DIVISIONS, SOUTH AUSTRALIA, 1964-65 (continued)

DIVISION and County	Wheat			Barley			Oats			Rainfall
	Area	Yield	Yield per Acre	Area	Yield	Yield per Acre	Area	Yield	Yield per Acre	(a)
WESTERN	Acres	Bushels	Bushels	Acres	Bushels	Bushels	Acres	Bushels	Bushels	Inches
Bosanquet	4,715	71,310	15.12	200	4,773	23.87	470	4,898	10.42	(b)
Buxton (incl. York)	120,303	2,055,456	17.09	5,587	72,726	13.02	13,448	155,722	11.58	12.77
Dufferin	50,621	884,736	17.48	1,832	35,972	19.64	17,019	208,984	12.28	14.72
Flinders	97,662	2,050,737	21.00	55,527	1,361,552	24.52	19,753	453,593	22.96	20.58
Hopetoun	5,928	72,444	12.22	1,046	10,546	10.08	2,090	24,590	11.77	(b)
Jervois	318,413	5,611,779	17.62	49,910	1,011,790	20.27	30,054	514,361	17.11	15.91
Kintore	23,995	278,760	11.62	1,425	17,863	12.54	8,366	85,048	10.17	13.50
Le Hunte	127,891	1,903,290	14.88	14,661	221,139	15.08	21,244	252,106	11.87	12.46
Musgrave (c)	72,307	1,375,785	19.03	46,492	1,133,248	24.38	10,515	190,149	18.08	18.50
Robinson	121,306	2,273,298	18.74	29,601	645,637	21.81	23,244	297,893	12.82	16.61
Way	94,010	1,245,165	13.25	3,253	47,089	14.48	26,242	281,117	10.71	13.32
MURRAY MALLEE										
Albert	110,062	1,235,940	11.23	28,357	363,440	12.82	10,144	130,521	12.87	11.84
Alfred	127,573	1,597,164	12.52	30,899	360,763	11.68	5,984	70,464	11.78	12.23
Buccleuch	70,152	1,019,532	14.53	147,158	2,822,595	19.18	24,083	382,305	15.87	15.23
Chandos	102,228	2,053,380	20.09	67,886	1,336,317	19.68	7,376	142,938	19.38	14.82
Hamley (incl. Young)	9,250	56,031	6.06	388	1,909	4.92	1,336	7,948	5.95	(b)
Russell	19,681	274,134	13.93	35,607	660,009	18.54	9,751	162,907	16.71	13.70
DIVISIONS										
Central	413,337	9,459,129	22.88	364,019	11,325,850	31.11	67,949	1,875,633	27.60	17.62
Lower North	611,156	14,712,156	24.07	173,063	4,646,481	26.85	65,257	1,703,654	26.11	14.64
Upper North	166,716	3,376,497	20.25	10,826	229,016	21.15	13,050	281,670	21.58	13.03
South Eastern	59,520	1,210,326	20.33	27,003	623,020	23.07	66,419	1,750,406	26.35	25.78
Western (c)	1,037,151	17,822,760	17.18	209,534	4,562,335	21.77	172,445	2,468,461	14.31	15.75
Murray Mallee	438,946	6,236,181	14.21	310,295	5,545,033	17.87	58,674	897,083	15.29	13.71
Outside of Counties	Included in County Musgrave - Western Division									
TOTAL STATE	2,726,826	52,817,049	19.37	1,094,740	26,931,735	24.60	443,794	8,976,907	20.23	16.01

(a) Rainfall over agricultural areas during the crop growing period April to November 1964. The figure for each county is obtained by averaging recorded rainfall at selected stations in crop growing areas; the figure for each division is an average of the results so obtained for each county in the division weighted by area under crop. All figures are preliminary and subject to revision.

(b) Not regarded as crop growing areas.

(c) Includes Outside of Counties.

TABLE 3 - RYE, FIELD PEAS AND HAY: AREA AND YIELD, DIVISIONS, SOUTH AUSTRALIA, 1964-65

Division	Rye		Field Peas		Hay (All Kinds)	
	Area	Yield	Area	Yield	Area	Yield
	Acres	Bushels	Acres	Bushels	Acres	Tons
Central	848	8,223	17,796	254,817	124,814	210,141
Lower North	493	5,046	14,833	227,073	43,850	59,336
Upper North					11,720	14,575
South Eastern	407	3,150	627	10,136	75,797	127,286
Western (a)	747	4,818	247	3,183	23,325	28,196
Murray Mallee	41,357	240,315	295	756	34,812	47,424
Total State	43,852	261,552	33,798	495,965	314,318	486,958

(a) Includes "Outside of Counties"

AREAS SOWN
FOR ALL
PURPOSES

The following table shows acreages sown for all purposes (grain, hay, and forage) for the seasons 1961-62 to 1964-65 together with farmers' estimates of areas which they intended sowing for the current 1965-66 season. The greatest area ever sown to wheat in South Australia was 4,507,213 acres in 1930-31 but the area sown to barley continued to increase steadily until 1958-59 when it nearly equalled that sown to wheat.

TABLE 5 - AREAS SOWN FOR ALL PURPOSES, SOUTH AUSTRALIA

Crop	1961-62	1962-63	1963-64	1964-65	1965-66(a)
	Acres				
Wheat	2,269,548	2,644,910	2,848,690	2,772,360	2,871,968
Barley	1,294,028	1,088,272	1,164,561	1,134,794	1,231,362
Oats	630,221	839,249	956,336	950,835	1,219,668
Rye	37,644	34,981	37,291	51,273	(b)
Field peas	31,541	35,881	32,785	36,468	35,827

(a) Acreages advised in the autumn as those intended to be sown in the 1965-66 season.

(b) Not available.

WHEAT

The wheat harvest for 1964-65 was 1,154,220 bushels less than the record harvest of the previous year. Following substantial increases in recent years in the area of wheat sown for grain, the area sown for the 1964-65 season was somewhat less than for the previous year. The best average yield was 23.56 bushels per acre in 1960-61.

Areas, yields, and yields per acre relating to South Australian wheat production for the years 1960-61 to 1964-65 are shown below.

TABLE 6 - WHEAT: AREA AND PRODUCTION, SOUTH AUSTRALIA

Particulars	Unit	1960-61	1961-62	1962-63	1963-64	1964-65
Total Area	acre	2,027,008	2,269,548	2,644,910	2,848,690	2,772,360
Grain area	acre	1,969,423	2,229,211	2,595,145	2,802,258	2,726,826
Yield	bushel	46,395,600	33,854,157	38,338,860	53,971,269	52,817,049
Yield/acre	bushel	23.56	15.19	14.77	19.26	19.37

Varieties of wheat sown for all purposes for the years 1962-63 to 1964-65 are shown in the following table.

TABLE 7 - WHEAT: VARIETIES SOWN, SOUTH AUSTRALIA

Variety	Area			Proportion of Total Area		
	1962-63	1963-64	1964-65	1962-63	1963-64	1964-65
	Acres			Per Cent		
Beacon	1,633	1,930	2,558	0.06	0.07	0.09
Bencubbin (a)	40,618	30,358	21,277	1.54	1.07	0.77
Bungulla	2,478	2,436	1,721	0.09	0.09	0.06
Claymore	106,776	93,672	60,790	4.04	3.29	2.19
Dirk (a)	299,063	282,094	245,794	11.31	9.90	8.87
Falcon	81	1,504	1,754	0.00	0.05	0.06
Gabo	500,498	536,205	447,072	18.92	18.82	16.13
Gamenya	444	1,935	9,308	0.02	0.07	0.34
Gluyas	1,617	1,913	2,882	0.06	0.07	0.10
Heron	25,177	142,634	322,276	0.95	5.01	11.63
Insignia (a)	926,372	1,092,599	1,104,370	35.02	38.35	39.84
Javelin (a)	35,575	25,910	15,502	1.35	0.91	0.56
Marathon	4,803	3,099	2,536	0.18	0.11	0.09
Mengavi	1,084	2,800	4,310	0.04	0.10	0.16
Olympic	11,357	11,482	11,109	0.43	0.40	0.40
Pinnacle	80,299	72,634	63,912	3.04	2.55	2.31
Quadrat	15,113	8,248	6,213	0.57	0.29	0.22
Rapier (a)	18,638	15,926	14,734	0.71	0.56	0.53
Reldep	5,345	4,401	2,897	0.20	0.15	0.10
Sabre	353,942	337,999	262,225	13.38	11.86	9.46
Scimitar (a)	34,726	21,265	15,342	1.31	0.75	0.55
Sherpa	3,778	5,621	2,965	0.14	0.20	0.11
Sword	5,124	3,587	4,242	0.19	0.13	0.15
Wongoondy	68,478	60,683	50,430	2.59	2.13	1.82
Yande	6,541	5,266	4,003	0.25	0.18	0.14
Other (incl. unspec.)	95,350	82,489	92,138	3.61	2.89	3.32
Total area	2,644,910	2,848,690	2,772,360	100.00	100.00	100.00

(a) Includes back cross.

BARLEY

The barley yield for 1964-65 of 26,931,735 bushels averaged 24.60 bushels per acre. The highest production recorded was 42,233,118 bushels in 1960-61, and the best average yield was 28.27 bushels per acre in 1958-59.

The following table shows details relating to South Australian barley production for the years 1960-61 to 1964-65.

TABLE 8 - BARLEY: AREA AND PRODUCTION, SOUTH AUSTRALIA

Particulars	Unit	1960-61	1961-62	1962-63	1963-64	1964-65
Total area	acre	1,588,418	1,294,028	1,088,272	1,164,561	1,134,794
Grain area	acre	1,555,687	1,270,904	1,052,886	1,123,104	1,094,740
Yield	bushel	42,233,118	21,292,421	18,004,881	24,336,555	26,931,735
Yield/acre	bushel	27.15	16.75	17.10	21.67	24.60

The area of barley sown for grain in 1964-65 totalled 1,094,740 acres, 1,053,068 acres of 2 row yielding 26,021,308 bushels and 41,672 acres of 6 row yielding 910,427 bushels.

The varieties of barley sown for all purposes for the years 1962-63 to 1964-65 are shown below.

TABLE 9 - BARLEY: VARIETIES, SOUTH AUSTRALIA

Variety	Area			Proportion of Total Area		
	1962-63	1963-64	1964-65	1962-63	1963-64	1964-65
	Acres			Per Cent		
2 Row - Maltworthy	157,595	165,391	132,619	14.48	14.20	11.68
Noyep	38,877	144,366	203,551	3.57	12.40	17.94
Prior	780,960	743,171	693,890	71.76	63.82	61.15
Other 2 Row	65,066	52,784	51,091	5.98	4.53	4.50
6 Row - All Kinds	45,774	58,849	53,643	4.21	5.05	4.73
Total area	1,088,272	1,164,561	1,134,794	100.00	100.00	100.00

OATS

The oats yield for 1964-65 was 8,976,907 bushels from 443,794 acres - a yield of 20.23 bushels per acre. Record production in South Australia was 11,992,155 bushels in 1958-59 when the record yield of 24.93 bushels per acre was obtained.

Details of oats production in South Australia for the years 1960-61 to 1964-65 are shown below.

TABLE 10 - OATS: AREA AND PRODUCTION, SOUTH AUSTRALIA

Particulars	Unit	1960-61	1961-62	1962-63	1963-64	1964-65
Total area	acre	907,250	630,221	839,249	956,336	950,835
Grain area	acre	512,165	323,662	415,613	500,650	443,794
Yield	bushel	11,477,592	4,390,899	5,770,242	9,149,149	8,976,907
Yield/acre	bushel	22.41	13.57	13.88	18.27	20.23

Varieties of oats sown for all purposes for the seasons 1962-63 to 1964-65 are as follows:-

TABLE 11 - OATS: VARIETIES, SOUTH AUSTRALIA

Variety	Area			Proportion of Total Area		
	1962-63	1963-64	1964-65	1962-63	1963-64	1964-65
	Acres			Per Cent		
Algerian	19,298	11,672	8,759	2.30	1.22	0.92
Avon	143,673	293,357	373,734	17.12	30.67	39.30
Ballidu	33,969	32,132	22,521	4.05	3.36	2.37
Belar	3,896	2,739	2,729	0.46	0.29	0.29
Fulghum	47,219	35,163	24,321	5.63	3.68	2.56
Kent	133,419	162,842	190,480	15.90	17.03	20.03
Kherson (incl. Early)	263,426	246,138	199,352	31.39	25.74	20.97
Kurrajong	14,036	15,017	11,631	1.67	1.57	1.22
New Zealand Cape	32,804	28,511	23,862	3.91	2.98	2.51
Orient	90,177	73,168	46,607	10.74	7.65	4.90
Other (incl. unspec.)	57,332	55,597	46,839	6.83	5.81	4.93
Total area	839,249	956,336	950,835	100.00	100.00	100.00

RYE

During 1964-65 the area of rye sown for all purposes was 51,273 acres. The 43,852 acres sown for grain yielded 261,552 bushels at an average yield per acre of 5.96 bushels.

FIELD
PEAS

From 33,798 acres planted for grain in the 1964-65 season 495,965 bushels were reaped, an average of 14.67 bushels per acre. In the 1963-64 season 490,192 bushels were obtained from 30,167 acres. In the autumn, farmers indicated that they intended sowing 35,827 acres in 1965-66 for grain or green forage.

Of the 36,468 acres sown in 1964-65 for all purposes 3,604 acres were sown to Collegian, 19,105 acres to Dun, 12,819 acres to White Brunswick, and 940 acres to other varieties.

HAY

The yield of hay (all kinds) in 1964-65 was 486,958 tons from 314,318 acres. The greatest amount produced was 1,100,217 tons in 1915-16 obtained from a record area of 709,813 acres.

A summary of areas and production of hay for the years 1960-61 to 1964-65 is shown below.

TABLE 12 - HAY: AREA AND PRODUCTION, SOUTH AUSTRALIA

Particulars	1960-61	1961-62	1962-63	1963-64	1964-65
Acres					
Area					
Wheaten	51,649	33,527	44,278	40,772	39,777
Oaten	152,750	82,664	116,351	140,666	110,128
Other	188,234	92,450	126,814	176,154	164,413
All kinds	392,633	208,641	287,443	357,592	314,318
Tons					
Yield					
Wheaten	88,058	46,325	54,769	56,753	59,392
Oaten	243,188	101,933	147,399	185,435	157,325
Other	285,009	137,543	204,195	246,030	270,241
All kinds	616,255	285,801	406,363	488,218	486,958
Yield per acre					
Wheaten	1.70	1.38	1.24	1.39	1.49
Oaten	1.59	1.23	1.27	1.32	1.43
Other	1.51	1.49	1.61	1.40	1.64
All kinds	1.57	1.37	1.41	1.37	1.55

CEREALS
USED ON
FARMS

The following table shows details of cereals and hay used on farms for seed and feed purposes during the years 1963-64 and 1964-65.

TABLE 13 - CEREALS USED ON FARMS, SOUTH AUSTRALIA

Particulars	Unit	1963-64		1964-65	
		Seed	Feed	Seed	Feed
Wheat	bushel	3,097,422	900,609	3,061,857	900,033
Barley	"	1,386,005	2,209,679	1,338,369	2,421,533
Oats	"	1,089,894	3,123,618	1,111,243	3,468,679
Hay	ton	-	311,706	-	300,694

Farmers have reported that 2,901,813 bushels of wheat were retained on farms for 1965 seeding and that 693,957 bushels were being kept for feed purposes.

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